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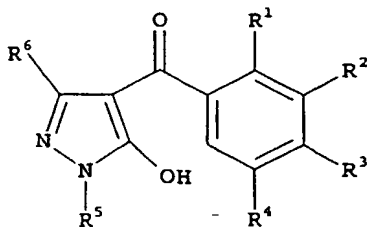
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(54) Title: **SYNERGISTICALLY ACTING HERBICIDAL MIXTURES**



(I)

(57) **Abstract:** A synergistic herbicidal mixture comprising A) at least one 3-heterocyclyl-substituted benzoyl derivative of the formula (I) in which the variables have the following meanings: R¹, R³ are halogen, alkyl, haloalkyl, alkoxy, haloalkoxy, alkylthio, alkylsulfanyl or alkylsulfonyl; R² is a optionally substituted heterocyclic radical selected from the group: isoxazol-3-yl, isoxazol-4-yl, isoxazol-5-yl, 4,5-dihydroisoxazol-3-yl, 4,5-dihydro-isoxazol-4-yl and 4,5-dihydroisoxazol-5-yl; R⁴ is hydrogen, halogen or alkyl; R⁵ is alkyl; R⁶ is hydrogen or alkyl; or one of its environmentally compatible salts; and B) the compound of formula (II) or one of its environmentally compatible salts; and C) at least one further herbicidal

compound from the group of the acetolactate synthase inhibitors (ALS), lipid biosynthesis inhibitors and photosynthesis inhibitors; in a synergistically effective amount. Compositions comprising these mixtures, processes for the preparation of these compositions, and their use for controlling undesired plants.

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